Digital Air Transport

Head-Up Display (HUD)

Elop has been selected as the HUD supplier to one of the world's major cargo carriers for its entire fleet.

The digital air transport model is a technologically advanced overhead-mounted digital HUD, optimized for both military and commercial aircraft:

Military transport, airlift, tanker and maritime aircraft, including:

C-17, C-130, KC-135, C-295, C- 27J, C-235

Commercial aircraft, including:

MD-10, MD-11, Airbus 300, Airbus 310, B-757, B-737

Our HUD displays a FLIR picture in XGA resolution, with overlaid symbology, and can be certified as a primary flight display.
This line of products is designed with growth capacity to support emerging technologies, such as SVS (Synthetic Vision Systems). Combined with an Enhanced Visual System (EVS), this HUD yields improved situational awareness, increased safety and enhanced operational capabilities.
Among its features is a foldaway combiner with a specially designed breakaway position for pilot safety.

A smaller (mini) version of the HUD is available for regional and business jets.

Elbit Systems
Electro-optics - Elop

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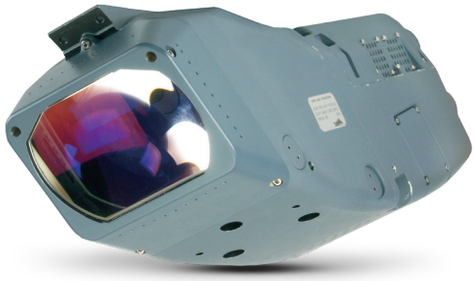


Operational Features

- Wide FOV - 40º(H) x 30º(V) (total and instantaneous)
- Large Head Motion Box (HMB)
- High image brightness > 3400 fL
- Enhanced symbol quality
- Superior raster image quality
- High MTBF

Maintenance & Integration Features

- Digital interface
- LCD image source
- Advanced electronics
- Computerized automatic test & calibration
- Intensive Built-In Test (BIT)

Elbit's HUD on IAF C-130H

Technical Data

Modes of Operation

- Symbol
- Video with overlaid symbology
- Automatic brightness control

Optical System

- Single curved combiner
- FOV: 40º x 30º (total / instantaneous)
- Combiner transmission: 80% uniform
- Color: shades of green/black
- Brightness: 3400 fL symbol and video
- NVG compatible

Power Supply

- 28 VDC
- Power dissipation <80 watt

System Interface

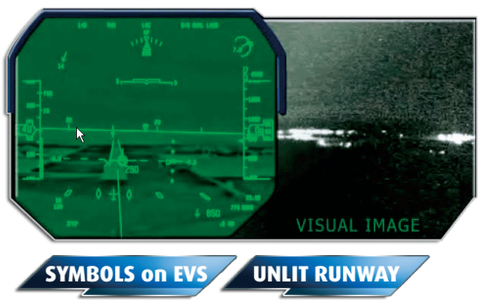
- ARINC 429/FC/Discretes

Physical Specifications

- Weight: 14 kg

Environmental Standards

- In accordance with DO-160



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